

## SEQUENCE LISTING

&lt;110&gt; PIERRE FABRE MEDICAMENT

<120> USE OF AN ENTEROBACTERIUM OmpA PROTEIN  
ASSOCIATED WITH THE ELAGIGILTV PEPTIDE, FOR  
TREATING MELANOMAS.

&lt;130&gt; D18441

&lt;150&gt; FR 99 01917

&lt;151&gt; 1999-02-17

&lt;160&gt; 4

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 1035

&lt;212&gt; ADN

&lt;213&gt; Klebsiella pneumoniae

&lt;220&gt;

&lt;221&gt; exon

&lt;222&gt; (1)..(1032)

&lt;220&gt;

&lt;221&gt; intron

&lt;222&gt; (1033)..(1035)

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(1032)

&lt;400&gt; 1

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Tyr	Ala	Gly	Gly	Lys	Leu	Gly	Trp	Ser	Gln	Tyr	His	Asp	Thr	Gly	Phe	
		20						25					30			
tac	ggt	aac	ggt	ttc	cag	aac	aac	aac	ggt	ccg	acc	cgt	aac	gat	cag	144
Tyr	Gly	Asn	Gly	Phe	Gln	Asn	Asn	Asn	Gly	Pro	Thr	Arg	Asn	Asp	Gln	
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Leu	Gly	Ala	Gly	Ala	Phe	Gly	Gly	Tyr	Gln	Val	Asn	Pro	Tyr	Leu	Gly	
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Phe	Glu	Met	Gly	Tyr	Asp	Trp	Leu	Gly	Arg	Met	Ala	Tyr	Lys	Gly	Ser	
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Val	Asp	Asn	Gly	Ala	Phe	Lys	Ala	Gln	Gly	Val	Gln	Leu	Thr	Ala	Lys	
			85					90					95			
ctg	ggt	tac	ccg	atc	act	gac	gat	ctg	gac	atc	tac	acc	cgt	ctg	ggc	336
Leu	Gly	Tyr	Pro	Ile	Thr	Asp	Asp	Leu	Asp	Ile	Tyr	Thr	Arg	Leu	Gly	

100	105	110	
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gtt tcc cgt agc gaa cac gac act ggc gtt tcc cca gta ttt gct ggc Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly 130 135 140			432
ggc gta gag tgg gct gtt act cgt gac atc gct acc cgt ctg gaa tac Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr 145 150 155 160			480
cag tgg gtt aac aac atc ggc gac gcg ggc act gtg ggt acc cgt cct Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro 165 170 175			528
gat aac ggc atg ctg agc ctg ggc gtt tcc tac cgc ttc ggt cag gaa Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu 180 185 190			576
gat gct gca ccg gtt gtt gct ccg gct ccg gct ccg gct ccg gaa gtg Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val 195 200 205			624
gct acc aag cac ttc acc ctg aag tct gac gtt ctg ttc aac ttc aac Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn 210 215 220			672
aaa gct acc ctg aaa ccg gaa ggt cag cag gct ctg gat cag ctg tac Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr 225 230 235 240			720
act cag ctg agc aac atg gat ccg aaa gac ggt tcc gct gtt gtt ctg Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu 245 250 255			768
ggc tac acc gac cgc atc ggt tcc gaa gct tac aac cag cag ctg tct Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser 260 265 270			816
gag aaa cgt gct cag tcc gtt gtt gac tac ctg gtt gct aaa ggc atc Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile 275 280 285			864
ccg gct ggc aaa atc tcc gct cgc ggc atg ggt gaa tcc aac ccg gtt Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val 290 295 300			912
act ggc aac acc tgt gac aac gtg aaa gct cgc gct gcc ctg atc gat Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp 305 310 315 320			960
tgc ctg gct ccg gat cgt cgt gta gag atc gaa gtt aaa ggc tac aaa Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys 325 330 335			1008
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<210> 2  
 <211> 344  
 <212> PRT  
 <213> *Klebsiella pneumoniae*

<400> 2

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 Tyr Gly Asn Gly Phe Gln Asn Asn Asn Gly Pro Thr Arg Asn Asp Gln  
 35 40 45  
 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly  
 50 55 60  
 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser  
 65 70 75 80  
 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys  
 85 90 95  
 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly  
 100 105 110  
 Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly  
 115 120 125  
 Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly  
 130 135 140  
 Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr  
 145 150 155 160  
 Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro  
 165 170 175  
 Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu  
 180 185 190  
 Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val  
 195 200 205  
 Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn  
 210 215 220  
 Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr  
 225 230 235 240  
 Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu  
 245 250 255  
 Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser  
 260 265 270  
 Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile  
 275 280 285

Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val  
290 295 300

Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp  
305 310 315 320

Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys  
325 330 335

Glu Val Val Thr Gln Pro Ala Gly  
340

<210> 3  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Peptide derived from the Mart-1/MelanA  
antigen expressed by melanoma cells.

<400> 3  
Glu Leu Ala Gly Ile Gly Ile Leu Thr Val  
1 5 10

<210> 4  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Derivative of tyrosine-related protein 2 (TRP-2).

<400> 4  
Val Tyr Asp Phe Phe Val Trp Leu  
1 5